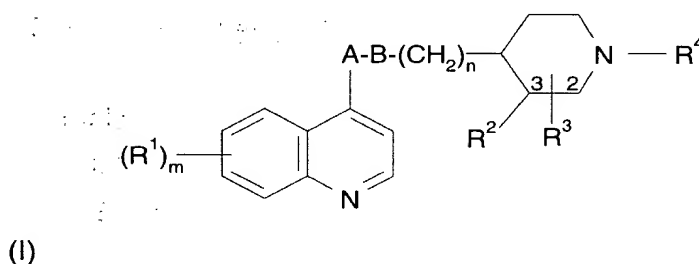


Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

17. (Currently Amended) A method of treatment of bacterial infections in mammals, particularly in man, which method comprises the administration to a mammal in need of such treatment of an effective amount of a quinoline of formula (I) or a pharmaceutically acceptable derivative thereof:



wherein:

m is 1 or 2;

each R¹ is independently hydroxy; (C₁₋₆) alkoxy optionally substituted by (C₁₋₆)alkoxy, amino, piperidyl, guanidino or amidino optionally N-substituted by one or two (C₁₋₆)alkyl, acyl or (C₁₋₆)alkylsulphonyl groups, NH₂CO, hydroxy, thiol, (C₁₋₆)alkylthio, heterocyclylthio, heterocyclyloxy, arylthio, aryloxy, acylthio, acyloxy or (C₁₋₆)alkylsulphonyloxy; (C₁₋₆)alkoxy-substituted (C₁₋₆)alkyl; halogen; (C₁₋₆)alkyl; (C₁₋₆)alkylthio; nitro; azido; acyl; acyloxy; acylthio; (C₁₋₆)alkylsulphonyl; (C₁₋₆)alkylsulphoxide; arylsulphonyl; arylsulphoxide or an amino, piperidyl, guanidino or amidino group optionally N-substituted by one or two (C₁₋₆)alkyl, acyl or (C₁₋₆)alkylsulphonyl groups;

either R² is hydrogen; and

R³ is in the 2- or 3-position and is hydrogen or (C₁₋₆)alkyl or (C₂₋₆)alkenyl optionally substituted with 1 to 3 groups selected from:

thiol; halogen; (C₁₋₆)alkylthio; trifluoromethyl; azido; (C₁₋₆)alkoxycarbonyl; (C₁₋₆)alkylcarbonyl; (C₂₋₆)alkenyloxycarbonyl; (C₂₋₆)alkenylcarbonyl; hydroxy optionally substituted by (C₁₋₆)alkyl, (C₂₋₆)alkenyl, (C₁₋₆)alkoxycarbonyl, (C₁₋₆)alkylcarbonyl, (C₂₋₆)alkenyloxycarbonyl, (C₂₋₆)alkenylcarbonyl or aminocarbonyl wherein the amino group is optionally substituted by (C₁₋₆)alkyl, (C₂₋₆)alkenyl, (C₁₋₆)alkylcarbonyl or (C₂₋

6)alkenylcarbonyl; amino optionally mono- or disubstituted by (C₁₋₆)alkoxycarbonyl, (C₁₋₆)alkylcarbonyl, (C₂₋₆)alkenyloxycarbonyl, (C₂₋₆)alkenylcarbonyl, (C₁₋₆)alkyl, (C₂₋₆)alkenyl, (C₁₋₆)alkylsulphonyl, (C₂₋₆)alkenylsulphonyl or aminocarbonyl wherein the amino group is optionally substituted by (C₁₋₆)alkyl or (C₂₋₆)alkenyl; aminocarbonyl wherein the amino group is optionally substituted by (C₁₋₆)alkyl, hydroxy(C₁₋₆)alkyl, aminocarbonyl(C₁₋₆)alkyl, (C₂₋₆)alkenyl, (C₁₋₆)alkoxycarbonyl, (C₁₋₆)alkylcarbonyl, (C₂₋₆)alkenyloxycarbonyl or (C₂₋₆)alkenylcarbonyl and optionally further substituted by (C₁₋₆)alkyl, hydroxy(C₁₋₆)alkyl, aminocarbonyl(C₁₋₆)alkyl or (C₂₋₆)alkenyl; oxo; (C₁₋₆)alkylsulphonyl; (C₂₋₆)alkenylsulphonyl; or aminosulphonyl wherein the amino group is optionally substituted by (C₁₋₆)alkyl or (C₂₋₆)alkenyl; or

R³ is in the 3-position and R² and R³ together are a divalent residue =CR⁵¹R⁶¹ where R⁵¹ and R⁶¹ are independently selected from H, (C₁₋₆)alkyl, (C₂₋₆)alkenyl, aryl(C₁₋₆)alkyl and aryl(C₂₋₆)alkenyl, any alkyl or alkenyl moiety being optionally substituted by 1 to 3 groups selected from those listed above for substituents on R³;

R⁴ is a group -CH₂-R⁵ in which R⁵ is selected from:

(C₃₋₁₂)alkyl; hydroxy(C₃₋₁₂)alkyl; (C₁₋₁₂)alkoxy(C₃₋₁₂)alkyl; (C₁₋₁₂)alkanoyloxy(C₃₋₁₂)alkyl; (C₃₋₆)cycloalkyl(C₃₋₁₂)alkyl; hydroxy-, (C₁₋₁₂)alkoxy- or (C₁₋₁₂)alkanoyloxy-(C₃₋₆)cycloalkyl(C₃₋₁₂)alkyl; cyano(C₃₋₁₂)alkyl; (C₂₋₁₂)alkenyl; (C₂₋₁₂)alkynyl; tetrahydrofuryl; mono- or di-(C₁₋₁₂)alkylamino(C₃₋₁₂)alkyl; acylamino(C₃₋₁₂)alkyl; (C₁₋₁₂)alkyl- or acyl-aminocarbonyl(C₃₋₁₂)alkyl; mono- or di-(C₁₋₁₂)alkylamino(hydroxy) (C₃₋₁₂)alkyl; optionally substituted phenyl(C₁₋₂)alkyl, phenoxy(C₁₋₂)alkyl or phenyl(hydroxy)(C₁₋₂)alkyl; optionally substituted diphenyl(C₁₋₂)alkyl; optionally substituted phenyl(C₂₋₃)alkenyl; optionally substituted benzoyl or benzoylmethyl; optionally substituted heteroaryl(C₁₋₂)alkyl; and optionally substituted heteroaroyl or heteroaroylmethyl;

or R⁴ is 3-benzoylpropyl or 3-(4-fluorobenzoyl)propyl;

n is 0, 1 or 2;

~~A is NR¹¹, O, S(O)_x or CR⁶R⁷ and B is NR¹¹, O, S(O)_x or CR⁸R⁹ where x is 0, 1 or 2 and wherein A is CR⁶R⁷ and B is CR⁸R⁹ and wherein:~~

~~each of R⁶ and R⁷, R⁸ and R⁹ R⁶, R⁷, R⁸ and R⁹ is independently selected from:~~
H; thiol; (C₁₋₆)alkylthio; halo; trifluoromethyl; azido; (C₁₋₆)alkyl; (C₂₋₆)alkenyl; (C₁₋₆)alkoxycarbonyl; (C₁₋₆)alkylcarbonyl; (C₂₋₆)alkenyloxycarbonyl; (C₂₋₆)alkenylcarbonyl; hydroxy, amino or aminocarbonyl optionally substituted as for corresponding substituents in R³; (C₁₋₆)alkylsulphonyl; (C₂₋₆)alkenylsulphonyl; or (C₁₋₆)aminosulphonyl wherein the amino group is optionally substituted by (C₁₋₆)alkyl or (C₁₋₆)alkenyl;

~~or R⁶ and R⁸ together represent a bond and R⁷ and R⁹ are as above defined;~~

or R⁶ and R⁸ together represent -O- and R⁷ and R⁹ are both hydrogen;

or R⁶ and R⁷ or R⁸ and R⁹ together represent oxo;

and each R¹¹ is independently H, trifluoromethyl, (C₁₋₆)alkyl, (C₁₋₆)alkenyl, (C₁₋₆)alkoxycarbonyl, (C₁₋₆)alkylcarbonyl, aminocarbonyl wherein the amino group is optionally substituted by (C₁₋₆)alkoxycarbonyl, (C₁₋₆)alkylcarbonyl, (C₁₋₆)alkenyloxy, (C₂₋₆)alkenylcarbonyl, (C₁₋₆)alkyl or (C₁₋₆)alkenyl and optionally further substituted by (C₁₋₆)alkyl or (C₁₋₆)alkenyl;

provided that A and B cannot both be selected from NR¹¹, O and S(O)_x and when one of A and B is CO the other is not CO, O or S(O)_x

; wherein:

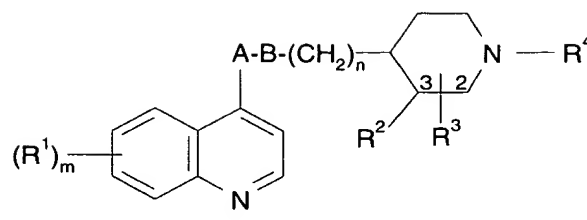
'heterocyclic' as used herein is an aromatic or non-aromatic, single or fused, ring containing up to four hetero-atoms in each ring selected from oxygen, nitrogen and sulphur, and having from 4 to 7 ring atoms which rings may be unsubstituted or substituted by up to three groups selected from amino, halogen, (C₁₋₆)alkyl, (C₁₋₆)alkoxy, halo(C₁₋₆)alkyl, hydroxy, carboxy, carboxy salts, (C₁₋₆)alkoxycarbonyl, (C₁₋₆)alkoxycarbonyl(C₁₋₆)alkyl, aryl, and oxo groups, and wherein any amino group forming part of a single or fused non-aromatic heterocyclic ring as defined is optionally substituted by (C₁₋₆)alkyl optionally substituted by hydroxy, C₁₋₆alkoxy, thiol, C₁₋₆alkylthio, halo, trifluoromethyl, acyl or (C₁₋₆)alkylsulphonyl;

'heteroaryl' is an aromatic heterocyclic group referred to above;

'aryl' is phenyl or naphthyl, each optionally substituted with up to five groups selected from halogen, mercapto, (C₁₋₆)alkyl, phenyl, (C₁₋₆)alkoxy, hydroxy(C₁₋₆)alkyl, mercapto (C₁₋₆)alkyl, halo(C₁₋₆)alkyl, hydroxy, amino, nitro, carboxy, (C₁₋₆)alkylcarbonyloxy, (C₁₋₆)alkoxycarbonyl, formyl, and (C₁₋₆)alkylcarbonyl groups; and

'acyl' is an (C₁₋₆)alkoxycarbonyl, formyl or (C₁₋₆)alkylcarbonyl group; and wherein the pharmaceutically acceptable derivative is an acid addition salt, quaternary ammonium salt, or N-oxide.

18. (Withdrawn and Currently amended) A compound of formula (IA) which is a compound of formula (I) wherein R³ is hydroxy(C₁₋₆)alkyl or 1,2-dihydroxy(C₂₋₆)alkyl optionally substituted on the hydroxy group(s) of formula (I) or a pharmaceutically acceptable derivative thereof:



(I)

wherein:

m is 1 or 2;

each R¹ is independently hydroxy; (C₁₋₆) alkoxy optionally substituted by (C₁₋₆)alkoxy, amino, piperidyl, guanidino or amidino optionally N-substituted by one or two (C₁₋₆)alkyl, acyl or (C₁₋₆)alkylsulphonyl groups, NH₂CO, hydroxy, thiol, (C₁₋₆)alkylthio, heterocyclylthio, heterocycloxy, arylthio, aryloxy, acylthio, acyloxy or (C₁₋₆)alkylsulphonyloxy; (C₁₋₆)alkoxy-substituted (C₁₋₆)alkyl; halogen; (C₁₋₆)alkyl; (C₁₋₆)alkylthio; nitro; azido; acyl; acyloxy; acylthio; (C₁₋₆)alkylsulphonyl; (C₁₋₆)alkylsulphoxide; arylsulphonyl; arylsulphoxide or an amino, piperidyl, guanidino or amidino group optionally N-substituted by one or two (C₁₋₆)alkyl, acyl or (C₁₋₆)alkylsulphonyl groups;

R² is hydrogen;

R³ is hydroxy(C₁₋₆)alkyl or 1,2-dihydroxy(C₂₋₆)alkyl optionally substituted on the hydroxy group(s);

R⁴ is a group -CH₂-R⁵ in which R⁵ is selected from:

(C₃₋₁₂)alkyl; hydroxy(C₃₋₁₂)alkyl; (C₁₋₁₂)alkoxy(C₃₋₁₂)alkyl; (C₁₋₁₂)alkanoyloxy(C₃₋₁₂)alkyl; (C₃₋₆)cycloalkyl(C₃₋₁₂)alkyl; hydroxy-, (C₁₋₁₂)alkoxy- or (C₁₋₁₂)alkanoyloxy-(C₃₋₆)cycloalkyl(C₃₋₁₂)alkyl; cyano(C₃₋₁₂)alkyl; (C₂₋₁₂)alkenyl; (C₂₋₁₂)alkynyl; tetrahydrofuryl; mono- or di-(C₁₋₁₂)alkylamino(C₃₋₁₂)alkyl; acylamino(C₃₋₁₂)alkyl; (C₁₋₁₂)alkyl- or acyl-aminocarbonyl(C₃₋₁₂)alkyl; mono- or di- (C₁₋₁₂)alkylamino(hydroxy) (C₃₋₁₂)alkyl; optionally substituted phenyl(C₁₋₂)alkyl, phenoxy(C₁₋₂)alkyl or phenyl(hydroxy)(C₁₋₂)alkyl; optionally substituted diphenyl(C₁₋₂)alkyl; optionally substituted phenyl(C₂₋₃)alkenyl; optionally substituted benzoyl or benzoylmethyl; optionally substituted heteroaryl(C₁₋₂)alkyl; and optionally substituted heteroaroyl or heteroaroylmethyl;

or R⁴ is 3-benzoylpropyl or 3-(4-fluorobenzoyl)propyl;

n is 0, 1 or 2;

A is CR⁶R⁷ and B is CR⁸R⁹ and wherein:

R⁶, R⁷, R⁸ and R⁹ are independently selected from: H; thiol; (C₁₋₆)alkylthio; halo; trifluoromethyl; azido; (C₁₋₆)alkyl; (C₂₋₆)alkenyl; (C₁₋₆)alkoxycarbonyl; (C₁₋

6)alkylcarbonyl; (C₂₋₆)alkenyloxycarbonyl; (C₂₋₆)alkenylcarbonyl; hydroxyl optionally substituted by (C₁₋₆)alkyl, (C₂₋₆)alkenyl, (C₁₋₆)alkoxycarbonyl, (C₁₋₆)alkylcarbonyl, (C₂₋₆)alkenyloxycarbonyl, (C₂₋₆)alkenylcarbonyl or aminocarbonyl wherein the amino group is optionally substituted by (C₁₋₆)alkyl, (C₂₋₆)alkenyl, (C₁₋₆)alkylcarbonyl or (C₂₋₆)alkenylcarbonyl; amino optionally mono- or disubstituted by (C₁₋₆)alkoxycarbonyl, (C₁₋₆)alkylcarbonyl, (C₂₋₆)alkenyloxycarbonyl, (C₂₋₆)alkenylcarbonyl, (C₁₋₆)alkyl, (C₂₋₆)alkenyl, (C₁₋₆)alkylsulphonyl, (C₂₋₆)alkenylsulphonyl or aminocarbonyl wherein the amino group is optionally substituted by (C₁₋₆)alkyl or (C₂₋₆)alkenyl; aminocarbonyl wherein the amino group is optionally substituted by (C₁₋₆)alkyl, hydroxy(C₁₋₆)alkyl, aminocarbonyl(C₁₋₆)alkyl, (C₂₋₆)alkenyl, (C₁₋₆)alkoxycarbonyl, (C₁₋₆)alkylcarbonyl, (C₂₋₆)alkenyloxycarbonyl or (C₂₋₆)alkenylcarbonyl and optionally further substituted by (C₁₋₆)alkyl, hydroxy(C₁₋₆)alkyl, aminocarbonyl(C₁₋₆)alkyl or (C₂₋₆)alkenyl; (C₁₋₆)alkylsulphonyl; (C₂₋₆)alkenylsulphonyl; or (C₁₋₆)aminosulphonyl wherein the amino group is optionally substituted by (C₁₋₆)alkyl or (C₁₋₆)alkenyl;

_____ or R⁶ and R⁸ together represent a bond and R⁷ and R⁹ are as above defined;

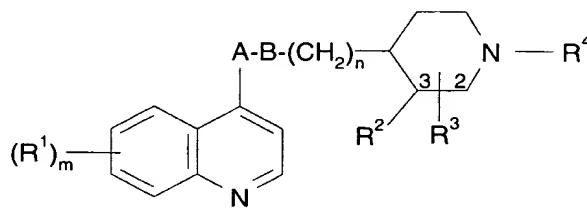
_____ or R⁶ and R⁸ together represent -O- and R⁷ and R⁹ are both hydrogen;

_____ or R⁶ and R⁷ or R⁸ and R⁹ together represent oxo;

_____ provided that when one of A and B is CO the other is not CO;

and wherein the pharmaceutically acceptable derivative is an acid addition salt, quaternary ammonium salt, or N-oxide.

19. (Withdrawn and Currently amended) A compound of formula (IB) which is a compound of formula (I) wherein _____ at least one R¹ is (C₂₋₆) alkoxy substituted by optionally N-substituted amino, guanidino or amidino or C₁₋₆-alkoxy substituted by piperidyl, A is CH₂, CHOH, CH(NH₃), C(Me)(OH) or CH(Me) and B is CH₂, CHOH or CO of formula (I) or a pharmaceutically acceptable derivative thereof:



_____ (I)

wherein:

_____ m is 1 or 2;

_____ at least one R¹ is (C₂₋₆) alkoxy substituted by optionally N-substituted amino, guanidino or amidino or (C₁₋₆) alkoxy substituted by piperidyl, and

_____ each other R¹ is independently hydroxy; (C₁₋₆) alkoxy optionally substituted by (C₁₋₆)alkoxy, amino, piperidyl, guanidino or amidino optionally N-substituted by one or two (C₁₋₆)alkyl, acyl or (C₁₋₆)alkylsulphonyl groups, NH₂CO, hydroxy, thiol, (C₁₋₆)alkylthio, heterocyclylthio, heterocyclyoxy, arylthio, aryloxy, acylthio, acyloxy or (C₁₋₆)alkylsulphonyloxy; (C₁₋₆)alkoxy-substituted (C₁₋₆)alkyl; halogen; (C₁₋₆)alkyl; (C₁₋₆)alkylthio; nitro; azido; acyl; acyloxy; acylthio; (C₁₋₆)alkylsulphonyl; (C₁₋₆)alkylsulphoxide; arylsulphonyl; arylsulphoxide or an amino, piperidyl, guanidino or amidino group optionally N-substituted by one or two (C₁₋₆)alkyl, acyl or (C₁₋₆)alkylsulphonyl groups;

_____ either R² is hydrogen; and

_____ R³ is in the 2- or 3-position and is hydrogen or (C₁₋₆)alkyl or (C₂₋₆)alkenyl optionally substituted with 1 to 3 groups selected from:

_____ thiol; halogen; (C₁₋₆)alkylthio; trifluoromethyl; azido; (C₁₋₆)alkoxycarbonyl; (C₁₋₆)alkylcarbonyl; (C₂₋₆)alkenyloxycarbonyl; (C₂₋₆)alkenylcarbonyl; hydroxy optionally substituted by (C₁₋₆)alkyl, (C₂₋₆)alkenyl, (C₁₋₆)alkoxycarbonyl, (C₁₋₆)alkylcarbonyl, (C₂₋₆)alkenyloxycarbonyl, (C₂₋₆)alkenylcarbonyl or aminocarbonyl wherein the amino group is optionally substituted by (C₁₋₆)alkyl, (C₂₋₆)alkenyl, (C₁₋₆)alkylcarbonyl or (C₂₋₆)alkenylcarbonyl; amino optionally mono- or disubstituted by (C₁₋₆)alkoxycarbonyl, (C₁₋₆)alkylcarbonyl, (C₂₋₆)alkenyloxycarbonyl, (C₂₋₆)alkenylcarbonyl, (C₁₋₆)alkyl, (C₂₋₆)alkenyl, (C₁₋₆)alkylsulphonyl, (C₂₋₆)alkenylsulphonyl or aminocarbonyl wherein the amino group is optionally substituted by (C₁₋₆)alkyl or (C₂₋₆)alkenyl; aminocarbonyl wherein the amino group is optionally substituted by (C₁₋₆)alkyl, hydroxy(C₁₋₆)alkyl, aminocarbonyl(C₁₋₆)alkyl, (C₂₋₆)alkenyl, (C₁₋₆)alkoxycarbonyl, (C₁₋₆)alkylcarbonyl, (C₂₋₆)alkenyloxycarbonyl or (C₂₋₆)alkenylcarbonyl and optionally further substituted by (C₁₋₆)alkyl, hydroxy(C₁₋₆)alkyl, aminocarbonyl(C₁₋₆)alkyl or (C₂₋₆)alkenyl; oxo; (C₁₋₆)alkylsulphonyl; (C₂₋₆)alkenylsulphonyl; or aminosulphonyl wherein the amino group is optionally substituted by (C₁₋₆)alkyl or (C₂₋₆)alkenyl; or

_____ R³ is in the 3-position and R² and R³ together are a divalent residue =CR⁵¹R⁶¹ where R⁵¹ and R⁶¹ are independently selected from H, (C₁₋₆)alkyl, (C₂₋₆)alkenyl, aryl(C₁₋₆)alkyl and aryl(C₂₋₆)alkenyl, any alkyl or alkenyl moiety being optionally substituted by 1 to 3 groups selected from those listed above for substituents on R³;

_____ R⁴ is a group -CH₂-R⁵ in which R⁵ is selected from:

_____ (C₃₋₁₂)alkyl; hydroxy(C₃₋₁₂)alkyl; (C₁₋₁₂)alkoxy(C₃₋₁₂)alkyl; (C₁₋₁₂)alkanoyloxy(C₃₋₁₂)alkyl; (C₃₋₆)cycloalkyl(C₃₋₁₂)alkyl; hydroxy-, (C₁₋₁₂)alkoxy- or

(C₁₋₁₂)alkanoyloxy-(C₃₋₆)cycloalkyl(C₃₋₁₂)alkyl; cyano(C₃₋₁₂)alkyl; (C₂₋₁₂)alkenyl; (C₂₋₁₂)alkynyl; tetrahydrofuryl; mono- or di-(C₁₋₁₂)alkylamino(C₃₋₁₂)alkyl; acylamino(C₃₋₁₂)alkyl; (C₁₋₁₂)alkyl- or acyl-aminocarbonyl(C₃₋₁₂)alkyl; mono- or di-(C₁₋₁₂)alkylamino(hydroxy) (C₃₋₁₂)alkyl; optionally substituted phenyl(C₁₋₂)alkyl, phenoxy(C₁₋₂)alkyl or phenyl(hydroxy)(C₁₋₂)alkyl; optionally substituted diphenyl(C₁₋₂)alkyl; optionally substituted phenyl(C₂₋₃)alkenyl; optionally substituted benzoyl or benzoylmethyl; optionally substituted heteroaryl(C₁₋₂)alkyl; and optionally substituted heteroaroyl or heteroaroylmethyl;

or R⁴ is 3-benzoylpropyl or 3-(4-fluorobenzoyl)propyl;

n is 0, 1 or 2;

A is CH₂, CHOH, CH(NH₂), C(Me)(OH) or CH(Me); and

B is CH₂, CHOH or CO;

and wherein the pharmaceutically acceptable derivative is an acid addition salt, quaternary ammonium salt, or N-oxide.

20. (Original) A method according to claim 17 wherein R¹ is in the 6-position on the quinoline nucleus and is methoxy, amino(C₃₋₅)alkyloxy, nitro or fluoro and m is 1.

21. (Currently Amended) A method according to claim 17 or 20 wherein R³ is (C₁₋₆) alkyl, (C₁₋₆) alkenyl, or optionally substituted 1-hydroxy-(C₁₋₆) alkyl.

22. (Currently Amended) A method according to claim 21 wherein R³ is hydroxymethyl, 1- ~~hydroxyethyl~~ hydroxyethyl or 1,2-dihydroxyethyl wherein the 2-hydroxy group is optionally substituted with alkylcarbonyl or aminocarbonyl where the amino group is optionally substituted.

23. (Original) A method according to claim 17 wherein R³ is in the 3-position.

24. (Currently Amended) A method according to claim 17 wherein: A is ~~NH~~, ~~NHCH₃~~, ~~O~~, CH₂, CHOH, CH(NH₃) CH(NH₂), C(Me)(OH) or CH(Me) and B is CH₂, CHOH, or CO ~~or S~~; or A is CR⁶R⁷, and B CR⁸R⁹, and R⁶ and R⁸ together represent -O-, and R⁷ and R⁹ are both hydrogen, and n is 0 or 1.

25. (Currently Amended) A method according to claim 24 wherein:

~~A is NH, B is CO and n is 1 or 0;~~

~~A is O, B is CH₂ and n is 1 or 0;~~

A is CH₂ or CH₂OH, B is CH₂, and n is 1 or 0;
A is ~~NCH₃~~, ~~CH(NH₃)~~ CH(NH₂), C(Me)(OH) or CH(Me), B is CH₂ and n is 1; or
A is CR⁶R⁷, and B CR⁸R⁹, and R⁶ and R⁸ together represent -O-, and R⁷ and R⁹ are both hydrogen, and n is 1.

26. (Original) A method according to claim 17 wherein R⁴ is (C₅₋₁₀)alkyl, unsubstituted phenyl(C₂₋₃)alkyl or unsubstituted phenyl(C₃₋₄)alkenyl.

27. (Original) A method according to claim 17 wherein R⁵ is unbranched at the α , and, where appropriate, β positions.

28. (Withdrawn and Currently amended) A compound of formula (I) as defined in claim 17 selected from:

[3R,4R]-3-Ethyl-1-hexyl-4-[3-oxo-3-(6-methoxyquinolin-4-yl)propyl]piperidine;
[3R,4R]-3-Ethyl-1-hexyl-4-[3-(R,S)-hydroxy-3-(6-methoxyquinolin-4-yl)propyl]piperidine;
[3R,4R]-3-Ethyl-1-heptyl-4-[3-oxo-3-(6-methoxyquinolin-4-yl)propyl]piperidine;
[3R,4R]-3-Ethyl-1-heptyl-4-[3-(R,S)-hydroxy-3-(6-methoxyquinolin-4-yl)propyl]piperidine;
~~[3R,4R]-3-Ethyl-1-octyl-4-[3-oxo-3-(6-methoxyquinolin-4-yl)propyl]piperidine;~~
[3R,4R]-3-Ethyl-1-octyl-4-[3-(R,S)-hydroxy-3-(6-methoxyquinolin-4-yl)propyl]piperidine;
[3R,4R]-3-Ethyl-1-decyl-4-[3-oxo-3-(6-methoxyquinolin-4-yl)propyl]piperidine;
[3R,4R]-3-Ethyl-1-decyl-4-[3-(R,S)-hydroxy-3-(6-methoxyquinolin-4-yl)propyl]piperidine;
[3R,4R]-3-Ethyl-1-dodecyl-4-[3-oxo-3-(6-methoxyquinolin-4-yl)propyl]piperidine;
[3R,4R]-3-Ethyl-1-dodecyl-4-[3-(R,S)-hydroxy-3-(6-methoxyquinolin-4-yl)propyl]piperidine;
[3R,4R]-3-Ethyl-1-cinnamyl-4-[3-(R,S)-hydroxy-3-(6-methoxyquinolin-4-yl)propyl]piperidine;
[3R,4R]-3-Ethyl-1-heptyl-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine;
[3R,4R]-3-Ethenyl-1-heptyl-4-[3-(R,S)-hydroxy-3-(6-methoxyquinolin-4-yl)propyl]piperidine;
[3R,4R]-3-Ethyl-1-heptyl-4-[3-(R,S)-hydroxy-3-(6-hydroxyquinolin-4-yl)propyl]piperidine;
[3R,4R]-1-Heptyl-3-(2-hydroxyethyl)-4-[3-(R,S)-hydroxy-3-(6-methoxyquinolin-4-yl)propyl]piperidine;
~~[3R,4R]-3-Ethyl-1-heptyl-4-[3-(R,S)-hydroxy-3-(6-[5-phthalimidopentyloxy]-quinolin-4-yl)propyl]piperidine;~~
[3R,4R]-3-Ethyl-1-heptyl-4-[3-(R,S)-hydroxy-3-(6-[5-aminopentyloxy]-quinolin-4-yl)propyl]piperidine;

[3R,4R]-3-Ethyl-1-heptyl-4-[3-(R,S)-hydroxy-3-(6-[~~2-Amino- amino-2-oxo-1,1-~~
dimethyl]ethoxyquinolin-4-yl)propyl]piperidine;
~~[3R,4R]-3-Ethyl-1-heptyl-4-[3-(R,S)-hydroxy-3-(6-[2-hydroxy-2-methyl-~~
~~propionamide]quinolin-4-yl)propyl]piperidine;~~
[3R,4R]-3-Ethyl-1-heptyl-4-[3-(R,S)-hydroxy-3-(6-aminoquinolin-4-yl)propyl]piperidine;
[3R,4R]-3-Ethyl-1-heptyl-4-[3-(R,S)-hydroxy-3-(6-azidoquinolin-4-yl)propyl]piperidine;
[3R,4R]-3-Ethyl-1-heptyl-4-[3-(6-hydroxyquinolin-4-yl)propyl]piperidine;
[3R,4R]-3-Ethyl-1-heptyl-4-[3-(6-propyloxyquinolin-4-yl)propyl]piperidine;
~~[3R,4R]-3-Ethyl-1-heptyl-4-[3-(6-(5-Phthalimidopentyloxy)-quinolin-4-yl)propyl]piperidine;~~
[3R,4R]-3-Ethyl-1-heptyl-4-[3-(6-(5-aminopentyloxy)-quinolin-4-yl)propyl]piperidine;
~~[3R,4R]-3-Ethenyl-1-(2-t-butylloxycarbonylaminoethyl)-4-[3-(6-methoxyquinolin-4-~~
~~yl)propyl]piperidine;~~
[3R,4R]-3-Ethenyl-1-(2-phenoxyethyl)-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine;
~~[3R,4R]-3-Ethyl-1-(4-ethylbenzyl)-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine;~~
[3S,4R]-3-Ethenyl-1-heptyl-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine;
[3R,4R]-3-Ethenyl-1-heptyl-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine;
[3R,4R]-1-Heptyl-3-(2-hydroxyethyl)-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine;
[3R,4R]-1-Heptyl-3-(2-acetoxyethyl)-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine;
[3R,4R]-1-Heptyl-3-(3-hydroxypropyl)-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine;
[3R,4R]-1-Heptyl-3-(1-hydroxyethyl)-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine;
[3R,4R]-3-Ethyl-1-(2-phenylethyl)-4-[3-(R,S)-hydroxy-3-(6-methoxyquinolin-4-
yl)propyl]piperidine;
[3R,4R]-3-Ethyl-1-(3-phenylpropyl)-4-[3-(R,S)-hydroxy-3-(6-methoxyquinolin-4-
yl)propyl]piperidine;
Heptyl-4-[2-(R,S)-hydroxy-3-(6-methoxyquinolin-4-yl)propyl]piperidine;
1-Heptyl-4-[3-(6-methoxyquinolin-4-yl)prop-2-enyl]piperidine;
1-Heptyl-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine;
[3R,4R]-3-Ethyl-1-heptyl-4-[3-(R,S)-hydroxy-3-(6-methoxyquinolin-4-yl)butyl]piperidine;
[3R,4R]-3-Ethenyl-1-heptyl-4-[3-(R,S)-azido-3-(6-methoxyquinolin-4-yl)propyl]piperidine;
[3R,4R]-3-Ethenyl-1-heptyl-4-[3-(R,S)-amino-3-(6-methoxyquinolin-4-yl)propyl]piperidine;
[3R,4R]-3-Ethyl-1-heptyl-4-(~~3-(R,S)-4-[3-(R,S)-~~amino-3-(6-methoxyquinolin-4-
yl)propyl]piperidine;
[3R,4R]-3-Ethyl-1-heptyl-4-[3-(6-methoxyquinolin-4-yl)butyl]piperidine;
[3R,4R]-3-Ethenyl-1-heptyl-4-(~~3-(R,S)-4-[3-(R,S)-~~acetamido-3-(6-methoxyquinolin-4-
yl)propyl]piperidine;

[3R,4R]-1-Heptyl-3-(2-(R,S)-~~Hydroxypropyl~~-hydroxypropyl)-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine;
[3R,4R]-1-Heptyl-3-(1-(R,S),2-dihydroxyethyl)-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine;
[3R,4R]-1-Heptyl-3-aminocarbonyloxyethyl-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine;
~~[3R,4R]-3-Ethyl-3-ethoxycarbonylaminocarbonyloxyethyl-1-heptyl-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine;~~
[3R,4R]-3-(1-(R,S)-2-(1-(R,S),2-Dihydroxyethyl)-1-heptyl-4-[3-(R,S)-hydroxy-3-(6-methoxyquinolin-4-yl)propyl]piperidine;
~~[3R,4R]-3-Ethyl-1-heptyl-4-[(6-methoxyquinolin-4-yl)oxy)methyl]piperidine;~~
~~[3R,4S]-3-Ethenyl-1-heptyl-4-[2-(6-methoxyquinolin-4-yl)oxyethyl]piperidine;~~
~~1-Heptyl-4-[(6-methoxyquinolin-4-yl)oxymethyl]piperidine;~~
~~[3R,4R]-3-Ethyl-1-heptyl-4-[(6-methoxyquinolin-4-yl)methylthiomethyl]piperidine;~~
~~[3R,4R]-1-Heptyl-3-ethenyl-4-[(6-methoxyquinolin-4-yl)carbonylamino)methyl]piperidine;~~
~~[3R,4R]-3-Ethenyl-1-heptyl-piperidine-4-[N-(6-methoxyquinolin-4-yl)]propionamide;~~
~~[3R,4R]-3-Ethenyl-1-heptyl-piperidine-4-[N-(6-methoxyquinolin-4-yl)]propylamine;~~
~~[3R,4S]-3-Ethenyl-1-heptyl-piperidine-4-[N-(6-methoxyquinolin-4-yl)]acetamide;~~
~~[3R,4R]-3-Ethenyl-1-heptyl-piperidine-4-[N-(6-methoxyquinolin-4-yl)]ethylamine;~~
[3R,4S]-3-Ethenyl-1-heptyl-4-[2-(R,S)-hydroxy-2-(6-methoxyquinolin-4-yl)ethyl]piperidine;
[3R,4R]-3-Ethenyl-1-heptyl-4-[2-(6-methoxyquinolin-4-yl)ethyl]piperidine;
[3R,4R]-3-Ethyl-1-heptyl-4-[2-(6-methoxyquinolin-4-yl)ethyl]piperidine;
1-Heptyl-4-[2(R,S)-hydroxy-2-(6-methoxy-4-quinolinyl)ethyl]-piperidine;
[3S,4R]-3-Ethenyl-1-heptyl-4-[2-(6-methoxyquinolin-4-yl)ethyl]piperidine;
N-(6-Methoxy-4-quinolinyl)-1-heptyl-4-piperidinecarboxamide;
(3Z)-(4R)-3-Ethylidene-1-heptyl-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine;
~~[3R,4S]-1-Cinnamyl-4-[2-(6-methoxyquinolin-4-yl)oxyethyl]piperidine;~~
[3R,4R]-3-(2-Acetoxyethyl)-1-heptyl-4-[3-(6-methoxy-quinolin-4-yl)propyl]piperidine;
[3R,4R]-3-Ethyl-1-heptyl-4-[3-(6-{2-hydroxyethyloxy}quinolin-4-yl)propyl]piperidine;
[3R,4R]-3-(Ethylaminocarbonyloxyethyl)-1-heptyl-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine;
[3R,4R]-3-Ethenyl-1-heptyl-4-[3-(R,S)-aminocarbonylamino-3-(6-methoxyquinolin-4-yl)propyl]piperidine;
[3R,4R]-3-Ethyl-1-heptyl-4-[3-(6-(4-aminobutyloxy)-quinolin-4-yl)propyl]piperidine;
~~[3R,4R]-1-Heptyl-3-(1-(R)-and 1-(S)-hydroxy-2-methoxyethyl)-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine;~~

[3R, 4R]-1-Heptyl-3-(1-(R)-hydroxy-2-methoxyethyl)-4-[3-(6-methoxyquinolin-4-yl) propyl]
piperidine;

[3R, 4R]-1-Heptyl-3-(1-(S)-hydroxy-2-methoxyethyl)-4-[3-(6-methoxyquinolin-4-yl) propyl]
piperidine;

~~[3R, 4R]-1-Heptyl-3-(1-(R)- and 1-(S)-hydroxy-2-methylthioethyl)-4-[3-(6-methoxyquinolin-~~
~~4-yl) propyl]piperidine;~~

[3R, 4R]-1-Heptyl-3-(1-(R)-hydroxy-2-methylthioethyl)-4-[3-(6-methoxyquinolin-4-yl)
propyl]piperidine;

[3R, 4R]-1-Heptyl-3-(1-(S)-hydroxy-2-methylthioethyl)-4-[3-(6-methoxyquinolin-4-yl)
propyl]piperidine;

~~[3R, 4R]-1-(5-Methylhexyl)-3-(1-(R)- and 1-(S)-2-dihydroxyethyl)-4-[3-(6-methoxyquinolin-~~
~~4-yl)propyl]piperidine;~~

[3R, 4R]-1-(5-Methylhexyl)-3-(1-(R),2-dihydroxyethyl)-4-[3-(6-methoxyquinolin-4-
yl)propyl]piperidine;

[3R, 4R]-1-(5-Methylhexyl)-3-(1-(S),2-dihydroxyethyl)-4-[3-(6-methoxyquinolin-4-
yl)propyl]piperidine;

[3R, 4R]-3-Ethyl-1-heptyl-4-[3-(6-(3-aminopropyl)oxyquinolin-4-yl) propyl]piperidine;

[3R, 4R]-3-Ethyl-1-heptyl-4-[3-(6-(2-aminoethyl)oxyquinolin-4-yl) propyl]piperidine;

[3R,4R]-3-Ethyl-1-heptyl-4-[3-(6-(3-guanidinopropyl)oxyquinolin-4-yl) propyl] piperidine;

[3R, 4R]-3-Ethyl-1-heptyl-4-[3-(6-(~~piperidine-4-yl~~) methoxyquinolin-4-yl 6-(piperidine-4-

yl)methoxyquinolin-4-yl) propyl]piperidine;

[3R, 4S]-1-Heptyl-3-vinyl-4-[3-(6-methoxyquinolin-4-yl)-(R,R)-oxiran-2-ylmethyl]piperidine;

[3R, 4S]-1-Heptyl-4-[(2S)-hydroxy-3-(6-methoxyquinolin-4-yl)propyl]-3-vinylpiperidine;

[3R, 4S]-1-Heptyl-3-vinyl-4-[3-(6-methoxyquinolin-4-yl)-(S,S)-oxiran-2-yl-

methyl]piperidine;

[3R, 4S]-3-Ethyl-1-heptyl-4-[2-(S)-hydroxy-3-(6-methoxyquinolin-4-yl)propyl]piperidine;

[3R, 4S]-1-Heptyl-4-[N-methyl-N-(6-methoxyquinolin-4-yl)aminoethyl]-3-vinylpiperidine;

[3R,4R]-1-Heptyl-3-(1-(R,S)-hydroxyethyl)-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine;

[3R,4R]-1-Heptyl-3-(1-(R,S)-hydroxy-1-methylethyl)-4-[3-(6-methoxyquinolin-4-

yl)propyl]piperidine;

~~[3R,4R]-1-(6-Methylheptyl)-3-(1-(R)- and 1-(S),2-dihydroxyethyl)-4-[3-(6-methoxyquinolin-~~
~~4-yl)propyl]piperidine;~~

[3R,4R]-1-(6-Methylheptyl)-3-(1-(R),2-dihydroxyethyl)-4-[3-(6-methoxyquinolin-4-
yl)propyl]piperidine;

[3R,4R]-1-(6-Methylheptyl)-3-(1-(S),2-dihydroxyethyl)-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine;

[3R, 4S]-1-Heptyl-4-[(2S)-hydroxy-3-(6-methoxyquinolin-4-yl)propyl]-3-(2-hydroxyethyl)piperidine; and

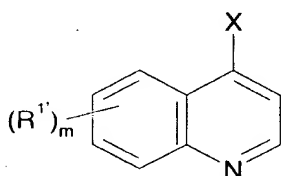
[3R, 4S]-1-Heptyl-3-aminocarbonyloxymethyl-4-[3-(6-methoxyquinolin-4-yl)propyl]piperidine; and

[3R, 4R]-1-Heptyl-4-[3-(6-methoxyquinolin-4-yl)propyl]-3-(2-carbamoyl-ethyl)piperidine;

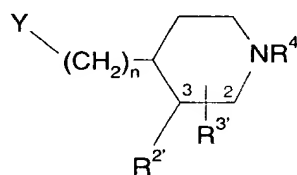
or a pharmaceutically acceptable acid addition salt, quaternary ammonium salt, or N-oxide derivative of any of the foregoing compounds.

29. (Withdrawn and Currently amended) A process for preparing a compound of formula (IA)(I) or a pharmaceutically acceptable derivative thereof, according to claim 18, which process comprises:

(a) reacting a compound of formula (IV) with a compound of formula (V):



(IV)



(V)

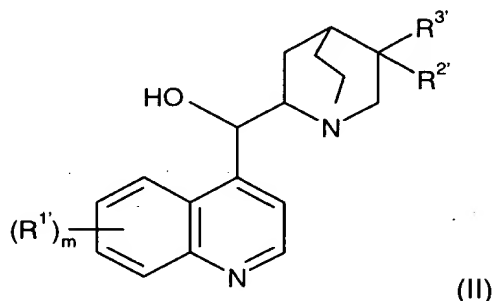
wherein m, n, R¹, R², R³ and R⁴ are as defined in formula (I), and X and Y may be the following combinations:

- (i) X is M and Y is CH₂CO₂R^X
- (ii) X is CO₂R^Y and Y is CH₂CO₂R^X
- (iii) one of X and Y is CH=SPh₂ and the other is CHO
- (iv) X is CH₃ and Y is CHO
- (v) X is CH₃ and Y is CO₂R^X
- (vi) X is CH₂CO₂R^Y and Y is CO₂R^X
- (vii) X is CH=PR^Z₃ and Y is CHO
- (viii) X is CHO and Y is CH=PR^Z₃
- (ix) X is halogen and Y is CH=CH₂
- (x) one of X and Y is COW and the other is NHR^{11'} or NCO
- (xi) one of X and Y is (CH₂)_p-V and the other is (CH₂)_qNHR^{11'}, (CH₂)_qOH, (CH₂)_qSH or (CH₂)_qSCOR^X where p+q=1
- (xii) one of X and Y is CHO and the other is NHR^{11'}

(xiii) one of X and Y is OH and the other is $-\text{CH}=\text{N}_2$

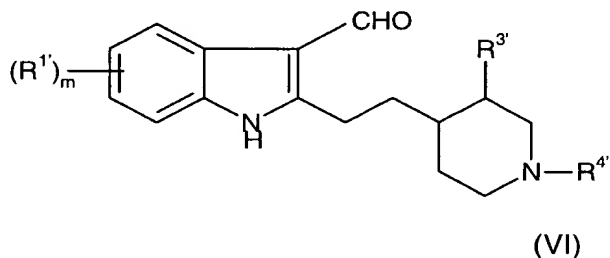
in which V and W are leaving groups, R^{X} and R^{Y} are (C_{1-6}) alkyl and R^{Z} is aryl or (C_{1-6}) alkyl;

(b) rearranging a compound of formula (II):



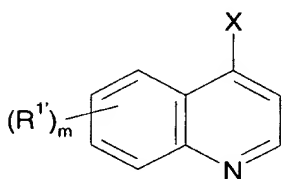
to give a compound of formula (III) which is a compound of formula (I) where R^3 is in the 3-position, n is 1, A-B is COCH_2 or disubstituted epoxide and R^2 is H, and thereafter optionally reducing to a compound of formula (VII) which is a compound of formula (I) where n is 1, A-B is CHOHCH_2 or CH_2CHOH and R^2 is H;

(c) photooxygenating a compound of formula (VI):

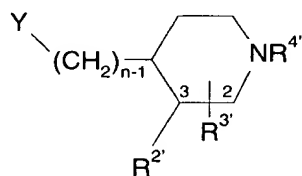


or

(d) reacting a compound of formula (IV) with a compound of formula (Vb):



(IV)



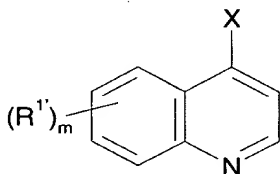
(Vb)

wherein m, n, R^1 , R^2 , R^3 and R^4 are as defined in formula (I), X is $\text{CH}_2\text{NHR}^{11'}$ and Y is CHO or COW or X is CH_2OH and Y is $-\text{CH}=\text{N}_2$;

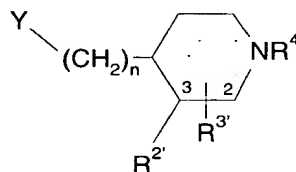
in which $R^{11'}$, R^1 , R^2 , R^3 and R^4 are R^{11} , R^1 , R^2 , R^3 and R^4 or groups convertible thereto, and thereafter optionally or as necessary converting $R^{11'}$, R^1 , R^2 , R^3 and R^4 to R^{11} , R^1 , R^2 , R^3 and R^4 , converting A-B to other A-B, interconverting R^{11} , R^1 , R^2 , R^3 and/or R^4 and forming a pharmaceutically acceptable derivative thereof, wherein the pharmaceutically acceptable derivative is an acid addition salt, quaternary ammonium salt, or N-oxide.

30. (Withdrawn and Currently amended) A process for preparing a compound of formula (IB)(I), or a pharmaceutically acceptable derivative thereof, according to claim 19 which process comprises:

(a) reacting a compound of formula (IV) with a compound of formula (V):



(IV)



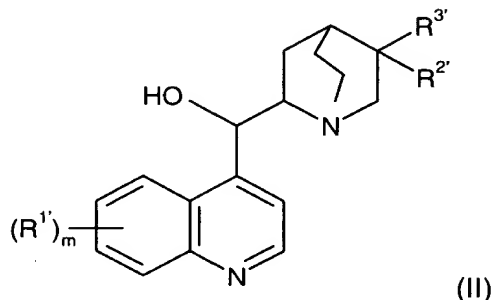
(V)

wherein m , n , R^1 , R^2 , R^3 and R^4 are as defined in formula (I), and X and Y may be the following combinations:

- (i) X is M and Y is $CH_2CO_2R^X$
- (ii) X is CO_2R^Y and Y is $CH_2CO_2R^X$
- (iii) one of X and Y is $CH=SPh_2$ and the other is CHO
- (iv) X is CH_3 and Y is CHO
- (v) X is CH_3 and Y is CO_2R^X
- (vi) X is $CH_2CO_2R^Y$ and Y is CO_2R^X
- (vii) X is $CH=PR^Z_3$ and Y is CHO
- (viii) X is CHO and Y is $CH=PR^Z_3$
- (ix) X is halogen and Y is $CH=CH_2$
- (x) one of X and Y is $C=O$ and the other is $NHR^{11'}$ or NCO
- (xi) one of X and Y is $(CH_2)_p-V$ and the other is $(CH_2)_qNHR^{11'}$, $(CH_2)_qOH$, $(CH_2)_qSH$ or $(CH_2)_qSCOR^X$ where $p+q=1$
- (xii) one of X and Y is CHO and the other is $NHR^{11'}$
- (xiii) one of X and Y is OH and the other is $-CH=N_2$

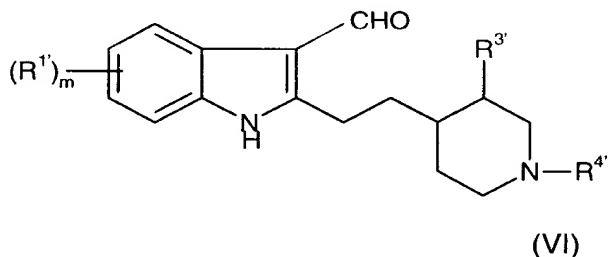
in which V and W are leaving groups, R^X and R^Y are (C_{1-6}) alkyl and R^Z is aryl or (C_{1-6}) alkyl;

(b) rearranging a compound of formula (II):



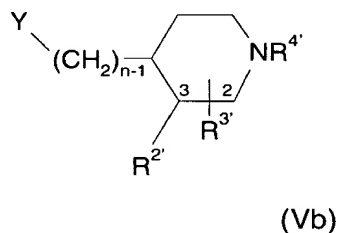
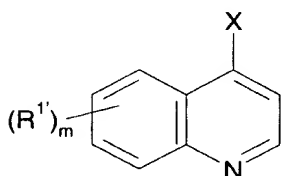
to give a compound of formula (III) which is a compound of formula (I) where R^3 is in the 3-position, n is 1, A-B is $COCH_2$ or disubstituted epoxide and R^2 is H, and thereafter optionally reducing to a compound of formula (VII) which is a compound of formula (I) where n is 1, A-B is $CHOHCH_2$ or CH_2CHOH and R^2 is H;

(c) photooxygenating a compound of formula (VI):



or

(d) reacting a compound of formula (IV) with a compound of formula (Vb):



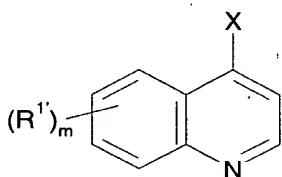
wherein m, n, R^1 , R^2 , R^3 and R^4 are as defined in formula (I), X is $CH_2NHR^{11'}$ and Y is CHO or COW or X is CH_2OH and Y is $-CH=N_2$;

in which $R^{11'}$, R^1 , R^2 , R^3 and R^4 or groups convertible thereto, and thereafter optionally or as necessary converting $R^{11'}$, R^1 , R^2 , R^3 and R^4

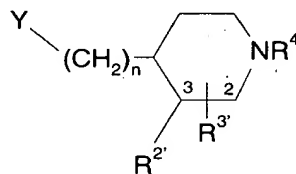
to $R^{11'}$, R^1 , R^2 , R^3 and R^4 , converting A-B to other A-B, interconverting $R^{11'}$, R^1 , R^2 , R^3 and/or R^4 and forming a pharmaceutically acceptable derivative thereof, wherein the pharmaceutically acceptable derivative is an acid addition salt, quaternary ammonium salt, or N-oxide.

31. (Withdrawn and Currently amended) A process for preparing a compound of formula (I), or a pharmaceutically acceptable derivative thereof, according to claim 28 which process comprises:

(a) reacting a compound of formula (IV) with a compound of formula (V):



(IV)



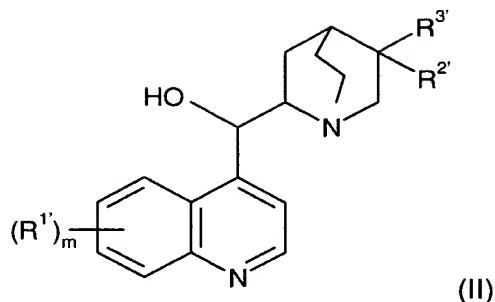
(V)

wherein m , n , R^1 , R^2 , R^3 and R^4 are as defined in formula (I), and X and Y may be the following combinations:

- (i) X is M and Y is $CH_2CO_2R^X$
- (ii) X is CO_2R^Y and Y is $CH_2CO_2R^X$
- (iii) one of X and Y is $CH=SPh_2$ and the other is CHO
- (iv) X is CH_3 and Y is CHO
- (v) X is CH_3 and Y is CO_2R^X
- (vi) X is $CH_2CO_2R^Y$ and Y is CO_2R^X
- (vii) X is $CH=PR^Z_3$ and Y is CHO
- (viii) X is CHO and Y is $CH=PR^Z_3$
- (ix) X is halogen and Y is $CH=CH_2$
- (x) one of X and Y is COW and the other is $NHR^{11'}$ or NGO
- (xi) one of X and Y is $(CH_2)_p-V$ and the other is $(CH_2)_qNHR^{11'}$, $(CH_2)_qOH$, $(CH_2)_qSH$ or $(CH_2)_qSCOR^X$ where $p+q=1$
- (xii) one of X and Y is CHO and the other is $NHR^{11'}$
- (xiii) one of X and Y is OH and the other is $-CH=N_2$

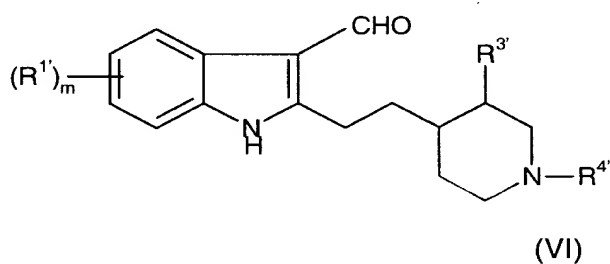
in which V and W are leaving groups, R^X and R^Y are (C_{1-6}) alkyl and R^Z is aryl or (C_{1-6}) alkyl;

(b) rearranging a compound of formula (II):



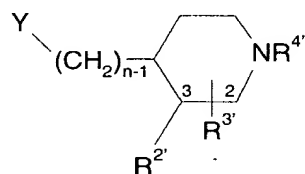
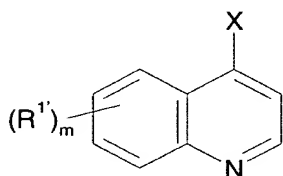
to give a compound of formula (III) which is a compound of formula (I) where R^3 is in the 3-position, n is 1, A-B is COCH_2 or disubstituted epoxide and R^2 is H, and thereafter optionally reducing to a compound of formula (VII) which is a compound of formula (I) where n is 1, A-B is CHOHCH_2 or CH_2CHOH and R^2 is H;

(c) photooxygenating a compound of formula (VI):



or

(d) reacting a compound of formula (IV) with a compound of formula (Vb):



wherein m , n , R^1 , R^2 , R^3 and R^4 are as defined in formula (I), X is $\text{CH}_2\text{NHR}^{11'}$ and Y is CHO or COW or X is CH_2OH and Y is $-\text{CH}=\text{N}_2$; in which $R^{11'}$, R^1 , R^2 , R^3 and R^4 are R^{11} , R^1 , R^2 , R^3 and R^4 or groups convertible thereto, and thereafter optionally or as necessary converting $R^{11'}$, R^1 , R^2 , R^3 and R^4 to R^{11} , R^1 , R^2 , R^3 and R^4 , converting A-B to other A-B, interconverting R^{11} , R^1 , R^2 , R^3 and/or R^4 and forming a pharmaceutically acceptable derivative thereof, wherein the

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pharmaceutically acceptable derivative is an acid addition salt, quaternary ammonium salt, or N-oxide.

32. (Withdrawn and Currently amended) A pharmaceutical composition comprising a compound or derivative according to claim 18, and a pharmaceutically acceptable carrier.

33. (Withdrawn and Currently amended) A pharmaceutical composition comprising a compound or derivative according to claim 19, and a pharmaceutically acceptable carrier.

34. (Cancelled)